

# CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

July 11, 2008

CLS Work Order #: CRF0997  
COC #: 74122, 94817

Jeff Huggins  
CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova, CA 95670-6114

**Project Name: Walker Mine**

Enclosed are the results of analyses for samples received by the laboratory on 06/25/08 08:00. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.  
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

Change of Status  
Work Order # CRF0997

Per client request, Sample CRF0997-04, "WM-1 Portal" was analyzed for Hexavalent Chromium and Hexavalent Chromium Dissolved, in addition to analyses requested on the Chain of Custody.

REPORT TO:

NAME AND ADDRESS: Leticia Valadez  
Central Valley Regional Water Board  
Rancho Cordova, CA 95670  
 PROJECT MANAGER: Jeff Huggins PHONE# 464-4639  
 PROJECT NAME: Walker Mine  
 SAMPLED BY: Jeff Huggins/Nicko Izzo  
 JOB DESCRIPTION: Water Quality Monitoring

CLIENT JOB NUMBER

DESTINATION LABORATORY

CLS (916) 638-7301  
 3249 FITZGERALD RD.  
 RANCHO CORDOVA, CA 95742

OTHER

PRESERVATIVES

ANALYSIS REQUESTED

Bid Group 7

GEOTRACKER:

EDF REPORT  YES  NO

GLOBAL ID: \_\_\_\_\_

COMPOSITE: Bid Group 7 is Total Metals  
+ Dissolved Metals + General Minerals  
 FIELD CONDITIONS: \_\_\_\_\_

TURN AROUND TIME

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	OR	SPECIAL INSTRUCTIONS
							<u>Need low detection levels for Metals</u>

ALT. ID:

MATRIX	NO.	TYPE
<u>W</u>	<u>3</u>	<u>Plastic</u>

DATE	TIME	SAMPLE IDENTIFICATION
<u>6/24/08</u>	<u>1000</u>	<u>WM-5. LGC M/S</u>
	<u>1020</u>	<u>WM-3. DC D/S</u>
	<u>1030</u>	<u>WM-19. Settling Pond</u>
	<u>1100</u>	<u>WM-1. Portad</u>
	<u>1110</u>	<u>WM-2. D.C. M/S</u>
	<u>1130</u>	<u>WM-4. D.C. 248</u>
	<u>1200</u>	<u>WM-9. L.G.C. ABC</u>
	<u>1225</u>	<u>WM-6. MSFS Dam</u>
	<u>1240</u>	<u>WM-70b. DC</u>
	<u>1245</u>	<u>WM-70a. LGC/DC</u>
	<u>1300</u>	<u>WM-70d. MSFS DIV</u>
	<u>1355</u>	<u>WM-11 SBWC</u>
	<u>1405</u>	<u>WM-12 MBWC</u>

Note

INVOICE TO: Leticia Valadez

PO. # \_\_\_\_\_

QUOTE # \_\_\_\_\_

SUSPECTED CONSTITUENTS

(1) HCL (2) HNO<sub>3</sub> (3) = COLD (4) = NaOH (5) = H<sub>2</sub>SO<sub>4</sub> (6) = Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub> (7) =

RELINQUISHED BY (SIGN)

Jeff S. Huggins

PRINT NAME / COMPANY

Jeff Huggins/RWOCB

DATE / TIME

6-25-08/0800 hrs.

RECEIVED BY (SIGN)

[Signature]

PRINT NAME / COMPANY

REC'D AT LAB BY:

[Signature]

DATE/TIME:

6/25/08 0800

CONDITIONS / COMMENTS:

30

SHIPPED BY:  FED X  UPS  OTHER

AIR BILL # \_\_\_\_\_

CLS ID No.: CPFOAT

CHAIN OF CUSTODY

CLS - Labs

<b>REPORT TO:</b> NAME AND ADDRESS: <u>Leticia Valadez</u> <u>Central Valley Regional Water Board</u> <u>Rancho Cordova, CA 95670</u> PROJECT MANAGER: <u>Jeff Huggins</u> PHONE# <u>464-4639</u> PROJECT NAME: <u>Walker Mine</u> SAMPLED BY: <u>Jeff Huggins/Victor Izzo</u> JOB DESCRIPTION: <u>Water Quality Monitoring</u>		<b>CLIENT JOB NUMBER</b> DESTINATION LABORATORY <input type="checkbox"/> <b>CLS (916) 638-7301</b> 3249 FITZGERALD RD. RANCHO CORDOVA, CA. 95742 <input type="checkbox"/> <b>OTHER</b>		<b>ANALYSIS REQUESTED</b> <u>Bid Group 7</u>		<b>GEOTRACKER:</b> EDF REPORT <input type="checkbox"/> YES <input type="checkbox"/> NO GLOBAL ID: _____ COMPOSITE: <u>Bid Group 7 is Total Metals</u> <u>+ Dissolved Metals + General Minerals</u> FIELD CONDITIONS: _____					
<b>SUSPECTED CONSTITUENTS</b>		<b>PRESERVATIVES</b> (1) HCL (2) HNO <sub>3</sub> (3) = GOLD (4) = NaOH (5) = H <sub>2</sub> SO <sub>4</sub> (6) = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (7) = _____		<b>TURN AROUND TIME</b>		<b>SPECIAL INSTRUCTIONS</b>					
DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	TYPE	DA-1	DA-2	DA-3	DA-4	OR	ALT. ID:
6-24-08	1415	WM-13 Nye CRK.	H <sub>2</sub> O	3	Plastic						Need low detection levels for Metals
6-24-08	1430	WM-17 NBWC									
<b>RELINQUISHED BY (SIGN)</b> <u>Jeff S. Huggins</u>		<b>PRINT NAME / COMPANY</b> <u>Jeff Huggins/RWQCB</u>		<b>DATE / TIME</b> <u>6-25-08/0800hrs.</u>		<b>RECEIVED BY (SIGN)</b>		<b>PRINT NAME / COMPANY</b>		<b>INVOICE TO:</b> <u>Leticia Valadez</u>	
<b>RECEIVED BY (SIGN)</b> <u>Will Oulahan</u>		<b>DATE / TIME</b> <u>6/25/08</u>		<b>OTHER</b>		<b>PO. #</b>		<b>QUOTE #</b>		<b>CONDITIONS / COMMENTS:</b> <u>3</u>	
<b>SHIPPED BY:</b> <input type="checkbox"/> FED X <input type="checkbox"/> UPS <input type="checkbox"/> OTHER _____		<b>AIR BILL #</b> _____		<b>LAB</b>		<b>LAB</b>		<b>LAB</b>		<b>LAB</b>	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Jeff Huggins	CLS Work Order #: CRF0997 COC #: 74122, 94817
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## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-5 LGC M/S (CRF0997-01) Water</b> Sampled: 06/24/08 10:00    Received: 06/25/08 08:00									
Total Alkalinity	54	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	54	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.56	0.50	"	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	110	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	12	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.7	1.0	"	"	"	"	"	"	
Potassium	1.2	1.0	"	"	"	"	"	"	
Sodium	3.7	1.0	"	"	"	"	"	"	
Hardness as CaCO3	50	1.0	"	"	"	"	"	"	
pH	7.17	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	76	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-3 DC D/S (CRF0997-02) Water</b> Sampled: 06/24/08 10:20    Received: 06/25/08 08:00									
Total Alkalinity	72	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	72	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.56	0.50	"	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	140	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	16	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	8.0	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	3.2	1.0	"	"	"	"	"	"	
Hardness as CaCO3	74	1.0	"	"	"	"	"	"	
pH	7.32	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	100	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-19 Settling Pond (CRF0997-03) Water</b> Sampled: 06/24/08 10:30    Received: 06/25/08 08:00									
Total Alkalinity	28	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	28	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.63	0.50	"	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	170	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Jeff Huggins	CLS Work Order #: CRF0997 COC #: 74122, 94817
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## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-19 Settling Pond (CRF0997-03) Water</b> <b>Sampled: 06/24/08 10:30</b> <b>Received: 06/25/08 08:00</b>									
Methylene Blue Active Substances	ND	0.10	mg/L	1	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	22	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	5.2	1.0	"	"	"	"	"	"	
Potassium	2.3	1.0	"	"	"	"	"	"	
Sodium	5.2	1.0	"	"	"	"	"	"	
Hardness as CaCO3	75	1.0	"	"	"	"	"	"	
pH	7.36	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	49	2.5	mg/L	5	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	140	10	"	1	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-1 Portal (CRF0997-04) Water</b> <b>Sampled: 06/24/08 11:00</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	59	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	59	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.66	0.50	"	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	110	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Hexavalent Chromium	ND	10	µg/L	"	CR05228	06/25/08	06/25/08	EPA 7196A	
Hexavalent Chromium, Dissolved	ND	10	"	"	"	"	"	"	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	12	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.8	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	5.3	1.0	"	"	"	"	"	"	
Hardness as CaCO3	49	1.0	"	"	"	"	"	"	
pH	7.30	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	1.0	0.50	mg/L	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	100	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-2 DC M/S (CRF0997-05) Water</b> <b>Sampled: 06/24/08 11:10</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	77	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	77	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.57	0.50	"	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	140	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	15	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	8.1	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Jeff Huggins	CLS Work Order #: CRF0997 COC #: 74122, 94817
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## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-2 DC M/S (CRF0997-05) Water Sampled: 06/24/08 11:10 Received: 06/25/08 08:00</b>									
Sodium	3.1	1.0	mg/L	1	CR05610	07/10/08	07/10/08	200.7/2340B	
Hardness as CaCO3	71	1.0	"	"	"	"	"	"	
pH	7.67	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	100	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-4 DC @ 48" (CRF0997-06) Water Sampled: 06/24/08 11:30 Received: 06/25/08 08:00</b>									
Total Alkalinity	73	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	73	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.55	0.50	"	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	140	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	14	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	7.5	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	3.4	1.0	"	"	"	"	"	"	
Hardness as CaCO3	67	1.0	"	"	"	"	"	"	
pH	7.65	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	0.54	0.50	mg/L	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	110	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-9 LGC @ BC (CRF0997-07) Water Sampled: 06/24/08 12:00 Received: 06/25/08 08:00</b>									
Total Alkalinity	60	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	60	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.53	0.50	"	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	130	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	14	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.7	1.0	"	"	"	"	"	"	
Potassium	1.5	1.0	"	"	"	"	"	"	
Sodium	4.3	1.0	"	"	"	"	"	"	
Hardness as CaCO3	56	1.0	"	"	"	"	"	"	
pH	7.76	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	6.1	0.50	mg/L	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	100	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-6 MSFS Dam (CRF0997-08) Water Sampled: 06/24/08 12:25 Received: 06/25/08 08:00</b>									

CA DOHS ELAP Accreditation/Registration Number 1233

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Jeff Huggins	CLS Work Order #: CRF0997 COC #: 74122, 94817
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## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-6 MSFS Dam (CRF0997-08) Water</b> <b>Sampled: 06/24/08 12:25</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	71	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	71	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.57	0.50	"	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Specific Conductance (EC)	150	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	18	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	6.6	1.0	"	"	"	"	"	"	
Potassium	1.3	1.0	"	"	"	"	"	"	
Sodium	4.2	1.0	"	"	"	"	"	"	
Hardness as CaCO3	73	1.0	"	"	"	"	"	"	
pH	7.88	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	7.1	0.50	mg/L	"	CR05243	06/26/08	06/26/08	EPA 300.0	
Total Dissolved Solids	110	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-70B DC (CRF0997-09) Water</b> <b>Sampled: 06/24/08 12:40</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	74	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	74	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.58	0.50	"	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	140	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	15	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	6.8	1.0	"	"	"	"	"	"	
Potassium	1.2	1.0	"	"	"	"	"	"	
Sodium	3.8	1.0	"	"	"	"	"	"	
Hardness as CaCO3	65	1.0	"	"	"	"	"	"	
pH	7.94	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	0.98	0.50	mg/L	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	92	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-70A LGC/DC (CRF0997-10) Water</b> <b>Sampled: 06/24/08 12:45</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	57	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	57	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.54	0.50	"	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	120	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-70A LGC/DC (CRF0997-10) Water</b> <b>Sampled: 06/24/08 12:45</b> <b>Received: 06/25/08 08:00</b>									
Methylene Blue Active Substances	ND	0.10	mg/L	1	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	14	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.3	1.0	"	"	"	"	"	"	
Potassium	1.6	1.0	"	"	"	"	"	"	
Sodium	4.4	1.0	"	"	"	"	"	"	
Hardness as CaCO3	52	1.0	"	"	"	"	"	"	
pH	7.41	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	4.8	0.50	mg/L	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	84	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-11 SBWC (CRF0997-12) Water</b> <b>Sampled: 06/24/08 13:55</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	23	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	23	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.51	0.50	"	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	46	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	4.7	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	1.6	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	2.6	1.0	"	"	"	"	"	"	
Hardness as CaCO3	18	1.0	"	"	"	"	"	"	
pH	6.70	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	0.65	0.50	mg/L	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	34	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-12 MBWC (CRF0997-13) Water</b> <b>Sampled: 06/24/08 14:05</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	14	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	14	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.52	0.50	"	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	34	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	2.9	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	1.5	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	1.2	1.0	"	"	"	"	"	"	
Hardness as CaCO3	13	1.0	"	"	"	"	"	"	

CA DOHS ELAP Accreditation/Registration Number 1233

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# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-12 MBWC (CRF0997-13) Water</b> <b>Sampled: 06/24/08 14:05</b> <b>Received: 06/25/08 08:00</b>									
pH	6.10	0.01	pH Units	1	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	24	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-13 Nye Creek (CRF0997-14) Water</b> <b>Sampled: 06/24/08 14:15</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	53	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	53	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	ND	0.50	"	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	100	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	10	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	4.8	1.0	"	"	"	"	"	"	
Potassium	ND	1.0	"	"	"	"	"	"	
Sodium	2.6	1.0	"	"	"	"	"	"	
Hardness as CaCO3	45	1.0	"	"	"	"	"	"	
pH	6.99	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	ND	0.50	mg/L	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	75	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	
<b>WM-17 NBWC (CRF0997-15) Water</b> <b>Sampled: 06/24/08 14:30</b> <b>Received: 06/25/08 08:00</b>									
Total Alkalinity	80	5.0	mg/L	1	CR05267	06/26/08	06/26/08	SM2310B	
Bicarbonate as CaCO3	80	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Chloride	0.63	0.50	"	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Specific Conductance (EC)	160	1.0	µmhos/cm	"	CR05229	06/25/08	06/25/08	EPA 120.1	
Methylene Blue Active Substances	ND	0.10	mg/L	"	CR05253	06/26/08	06/26/08	SM5540 C	
Calcium	18	1.0	"	"	CR05610	07/10/08	07/10/08	200.7/2340B	
Magnesium	7.6	1.0	"	"	"	"	"	"	
Potassium	1.7	1.0	"	"	"	"	"	"	
Sodium	3.8	1.0	"	"	"	"	"	"	
Hardness as CaCO3	75	1.0	"	"	"	"	"	"	
pH	7.92	0.01	pH Units	"	CR05214	06/25/08	06/25/08	SM4500-H B	HT-F
Sulfate as SO4	0.51	0.50	mg/L	"	CR05243	06/26/08	06/27/08	EPA 300.0	
Total Dissolved Solids	110	10	"	"	CR05260	06/26/08	06/27/08	SM2540C	

CA DOHS ELAP Accreditation/Registration Number 1233

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# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-5 LGC M/S (CRF0997-01) Water</b> <b>Sampled: 06/24/08 10:00</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	25	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	440	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-3 DC D/S (CRF0997-02) Water</b> <b>Sampled: 06/24/08 10:20</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	26	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	3.6	1.0	"	"	"	"	"	"	
Iron	700	50	"	"	"	"	"	"	
Zinc	3.2	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-19 Settling Pond (CRF0997-03) Water</b> <b>Sampled: 06/24/08 10:30</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	52	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	540	5.0	"	5	"	"	"	"	
Iron	390	50	"	1	"	"	"	"	
Zinc	68	2.0	"	"	"	"	"	"	
Cadmium	0.50	0.50	"	"	"	"	"	"	
<b>WM-1 Portal (CRF0997-04) Water</b> <b>Sampled: 06/24/08 11:00</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	12	2.0	"	"	"	"	"	"	
Copper	110	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	25	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-2 DC M/S (CRF0997-05) Water</b> <b>Sampled: 06/24/08 11:10</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	1.5	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	6.7	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-4 DC @ 48" (CRF0997-06) Water</b> <b>Sampled: 06/24/08 11:30</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

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11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-4 DC @ 48" (CRF0997-06) Water</b> <b>Sampled: 06/24/08 11:30</b> <b>Received: 06/25/08 08:00</b>									
Arsenic	ND	2.0	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
<b>Copper</b>	<b>9.2</b>	1.0	"	"	"	"	"	"	
<b>Iron</b>	<b>260</b>	50	"	"	"	"	"	"	
<b>Zinc</b>	<b>3.0</b>	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-9 LGC @ BC (CRF0997-07) Water</b> <b>Sampled: 06/24/08 12:00</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>8.7</b>	1.0	"	"	"	"	"	"	
<b>Iron</b>	<b>540</b>	50	"	"	"	"	"	"	
<b>Zinc</b>	<b>2.9</b>	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-6 MSFS Dam (CRF0997-08) Water</b> <b>Sampled: 06/24/08 12:25</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>71</b>	1.0	"	"	"	"	"	"	
<b>Iron</b>	<b>1900</b>	50	"	"	"	"	"	"	
<b>Zinc</b>	<b>11</b>	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-70B DC (CRF0997-09) Water</b> <b>Sampled: 06/24/08 12:40</b> <b>Received: 06/25/08 08:00</b>									
<b>Aluminum</b>	<b>52</b>	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>13</b>	1.0	"	"	"	"	"	"	
<b>Iron</b>	<b>260</b>	50	"	"	"	"	"	"	
<b>Zinc</b>	<b>3.9</b>	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-70A LGC/DC (CRF0997-10) Water</b> <b>Sampled: 06/24/08 12:45</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
<b>Iron</b>	<b>550</b>	50	"	"	"	"	"	"	
<b>Zinc</b>	<b>2.4</b>	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-70D NSFS Div (CRF0997-11) Water</b> <b>Sampled: 06/24/08 13:00</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

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11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-70D NSFS Div (CRF0997-11) Water</b> Sampled: 06/24/08 13:00 Received: 06/25/08 08:00									
Copper	16	1.0	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Iron	390	50	"	"	"	"	"	"	
Zinc	4.8	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-11 SBWC (CRF0997-12) Water</b> Sampled: 06/24/08 13:55 Received: 06/25/08 08:00									
Aluminum	44	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	3.4	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	11	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-12 MBWC (CRF0997-13) Water</b> Sampled: 06/24/08 14:05 Received: 06/25/08 08:00									
Aluminum	29	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	4.0	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	2.5	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-13 Nye Creek (CRF0997-14) Water</b> Sampled: 06/24/08 14:15 Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	1.5	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	2.0	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-17 NBWC (CRF0997-15) Water</b> Sampled: 06/24/08 14:30 Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05266	06/26/08	06/27/08	EPA 200.8	
Arsenic	ND	2.0	"	"	"	"	"	"	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-5 LGC M/S (CRF0997-01) Water</b> Sampled: 06/24/08 10:00 Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
<b>Iron</b>	<b>260</b>	100	"	2	"	"	"	"	
<b>Zinc</b>	<b>2.4</b>	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-3 DC D/S (CRF0997-02) Water</b> Sampled: 06/24/08 10:20 Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
<b>Iron</b>	<b>260</b>	100	"	2	"	"	"	"	
<b>Zinc</b>	<b>3.1</b>	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-19 Settling Pond (CRF0997-03) Water</b> Sampled: 06/24/08 10:30 Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Copper</b>	<b>200</b>	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
<b>Zinc</b>	<b>63</b>	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-1 Portal (CRF0997-04) Water</b> Sampled: 06/24/08 11:00 Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
<b>Arsenic</b>	<b>14</b>	5.0	"	"	"	"	"	"	
<b>Copper</b>	<b>92</b>	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
<b>Zinc</b>	<b>28</b>	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-2 DC M/S (CRF0997-05) Water</b> Sampled: 06/24/08 11:10 Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
<b>Zinc</b>	<b>2.6</b>	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-4 DC @ 48" (CRF0997-06) Water</b> Sampled: 06/24/08 11:30 Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-4 DC @ 48" (CRF0997-06) Water</b> <b>Sampled: 06/24/08 11:30</b> <b>Received: 06/25/08 08:00</b>									
Arsenic	ND	5.0	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Copper	7.7	2.0	"	"	"	"	"	"	
Iron	160	50	"	"	"	"	"	"	
Zinc	3.0	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-9 LGC @ BC (CRF0997-07) Water</b> <b>Sampled: 06/24/08 12:00</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	6.0	2.0	"	"	"	"	"	"	
Iron	310	100	"	2	"	"	"	"	
Zinc	2.5	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-6 MSFS Dam (CRF0997-08) Water</b> <b>Sampled: 06/24/08 12:25</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	33	2.0	"	"	"	"	"	"	
Iron	660	250	"	5	"	"	"	"	
Zinc	5.7	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-70B DC (CRF0997-09) Water</b> <b>Sampled: 06/24/08 12:40</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	10	2.0	"	"	"	"	"	"	
Iron	140	50	"	"	"	"	"	"	
Zinc	2.5	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-70A LGC/DC (CRF0997-10) Water</b> <b>Sampled: 06/24/08 12:45</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	340	100	"	2	"	"	"	"	
Zinc	ND	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-70D NSFS Div (CRF0997-11) Water</b> <b>Sampled: 06/24/08 13:00</b> <b>Received: 06/25/08 08:00</b>									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	

# CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Jeff Huggins	CLS Work Order #: CRF0997 COC #: 74122, 94817
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## Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>WM-70D NSFS Div (CRF0997-11) Water</b> Sampled: 06/24/08 13:00    Received: 06/25/08 08:00									
Copper	14	2.0	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Iron	270	100	"	2	"	"	"	"	
Zinc	4.7	2.0	"	1	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-11 SBWC (CRF0997-12) Water</b> Sampled: 06/24/08 13:55    Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	2.8	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	13	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-12 MBWC (CRF0997-13) Water</b> Sampled: 06/24/08 14:05    Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	3.8	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	3.4	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-13 Nye Creek (CRF0997-14) Water</b> Sampled: 06/24/08 14:15    Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
<b>WM-17 NBWC (CRF0997-15) Water</b> Sampled: 06/24/08 14:30    Received: 06/25/08 08:00									
Aluminum	ND	20	µg/L	1	CR05293	06/27/08	06/30/08	EPA 200.8	
Arsenic	ND	5.0	"	"	"	"	"	"	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	50	"	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch CR05228 - General Preparation</b>										
<b>Blank (CR05228-BLK1)</b> Prepared & Analyzed: 06/25/08										
Hexavalent Chromium	ND	10	µg/L							
Hexavalent Chromium, Dissolved	ND	10	"							
<b>LCS (CR05228-BS1)</b> Prepared & Analyzed: 06/25/08										
Hexavalent Chromium	262	10	µg/L	250		105	85-115			
Hexavalent Chromium, Dissolved	262	10	"	250		105	80-120			
<b>LCS Dup (CR05228-BSD1)</b> Prepared & Analyzed: 06/25/08										
Hexavalent Chromium	263	10	µg/L	250		105	85-115	0.457	20	
Hexavalent Chromium, Dissolved	263	10	"	250		105	80-120	0.457	20	
<b>Matrix Spike (CR05228-MS1)</b> Source: CRF0997-04 Prepared & Analyzed: 06/25/08										
Hexavalent Chromium	256	10	µg/L	250	ND	102	85-115			
Hexavalent Chromium, Dissolved	256	10	"	250	ND	102	80-120			
<b>Matrix Spike Dup (CR05228-MSD1)</b> Source: CRF0997-04 Prepared & Analyzed: 06/25/08										
Hexavalent Chromium	271	10	µg/L	250	ND	108	85-115	5.62	20	
Hexavalent Chromium, Dissolved	271	10	"	250	ND	108	80-120	5.62	20	
<b>Batch CR05229 - General Preparation</b>										
<b>Blank (CR05229-BLK1)</b> Prepared & Analyzed: 06/25/08										
Specific Conductance (EC)	ND	1.0	µmhos/cm							
<b>Batch CR05243 - General Prep</b>										
<b>Blank (CR05243-BLK1)</b> Prepared & Analyzed: 06/26/08										
Chloride	ND	0.50	mg/L							
Sulfate as SO4	ND	0.50	"							

# CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch CR05243 - General Prep</b>										
<b>LCS (CR05243-BS1)</b>				Prepared & Analyzed: 06/26/08						
Sulfate as SO4	4.94	0.50	mg/L	5.00		98.7	80-120			
Chloride	1.97	0.50	"	2.00		98.7	80-120			
<b>LCS Dup (CR05243-BSD1)</b>				Prepared & Analyzed: 06/26/08						
Sulfate as SO4	5.02	0.50	mg/L	5.00		100	80-120	1.67	20	
Chloride	2.01	0.50	"	2.00		101	80-120	1.86	20	
<b>Matrix Spike (CR05243-MS1)</b>				Source: CRF0997-01		Prepared & Analyzed: 06/26/08				
Sulfate as SO4	5.17	0.50	mg/L	5.00	0.288	97.7	75-125			
Chloride	2.26	0.50	"	2.00	0.559	84.9	75-125			
<b>Matrix Spike Dup (CR05243-MSD1)</b>				Source: CRF0997-01		Prepared & Analyzed: 06/26/08				
Chloride	2.28	0.50	mg/L	2.00	0.559	86.2	75-125	1.06	25	
Sulfate as SO4	5.21	0.50	"	5.00	0.288	98.4	75-125	0.751	25	
<b>Batch CR05253 - General Preparation</b>										
<b>Blank (CR05253-BLK1)</b>				Prepared & Analyzed: 06/26/08						
Methylene Blue Active Substances	ND	0.10	mg/L							
<b>LCS (CR05253-BS1)</b>				Prepared & Analyzed: 06/26/08						
Methylene Blue Active Substances	0.445	0.10	mg/L	0.500		89.0	80-120			
<b>LCS Dup (CR05253-BSD1)</b>				Prepared & Analyzed: 06/26/08						
Methylene Blue Active Substances	0.461	0.10	mg/L	0.500		92.1	80-120	3.45	20	
<b>Matrix Spike (CR05253-MS1)</b>				Source: CRF0997-01		Prepared & Analyzed: 06/26/08				
Methylene Blue Active Substances	0.463	0.10	mg/L	0.500	ND	92.6	75-125			

# CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Jeff Huggins	CLS Work Order #: CRF0997 COC #: 74122, 94817
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## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch CR05253 - General Preparation

<b>Matrix Spike Dup (CR05253-MSD1)</b>	<b>Source: CRF0997-01</b>		<b>Prepared &amp; Analyzed: 06/26/08</b>							
Methylene Blue Active Substances	0.482	0.10	mg/L	0.500	ND	96.4	75-125	4.04	25	

### Batch CR05260 - General Preparation

<b>Blank (CR05260-BLK1)</b>	<b>Prepared: 06/26/08 Analyzed: 06/27/08</b>									
Total Dissolved Solids	ND	10	mg/L							
<b>Duplicate (CR05260-DUP1)</b>	<b>Source: CRF1009-04</b>		<b>Prepared: 06/26/08 Analyzed: 06/27/08</b>							
Total Dissolved Solids	282	10	mg/L		285			1.06	20	

### Batch CR05267 - General Preparation

<b>Blank (CR05267-BLK1)</b>	<b>Prepared &amp; Analyzed: 06/26/08</b>									
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							
<b>Duplicate (CR05267-DUP1)</b>	<b>Source: CRF0997-01</b>		<b>Prepared &amp; Analyzed: 06/26/08</b>							
Total Alkalinity	53.4	5.0	mg/L		54.0			1.12	20	
Bicarbonate as CaCO3	53.4	5.0	"		54.0			1.12	20	
Carbonate as CaCO3	ND	5.0	"		ND				20	
Hydroxide as CaCO3	ND	5.0	"		ND				20	

### Batch CR05610 - 6010A/No Digestion

<b>Blank (CR05610-BLK1)</b>	<b>Prepared &amp; Analyzed: 07/10/08</b>									
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
Hardness as CaCO3	ND	1.0	"							

# CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Jeff Huggins	CLS Work Order #: CRF0997 COC #: 74122, 94817
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## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch CR05610 - 6010A/No Digestion</b>										
<b>LCS (CR05610-BS1)</b>				Prepared & Analyzed: 07/10/08						
Calcium	11.0	1.0	mg/L	10.0		110	80-120			
Magnesium	10.6	1.0	"	10.0		106	80-120			
Potassium	11.0	1.0	"	10.0		110	80-120			
Sodium	10.6	1.0	"	10.0		106	80-120			
<b>LCS Dup (CR05610-BSD1)</b>				Prepared & Analyzed: 07/10/08						
Calcium	11.6	1.0	mg/L	10.0		116	80-120	4.78	20	
Magnesium	11.1	1.0	"	10.0		111	80-120	4.61	20	
Potassium	11.5	1.0	"	10.0		115	80-120	4.46	20	
Sodium	11.0	1.0	"	10.0		110	80-120	3.99	20	
<b>Matrix Spike (CR05610-MS1)</b>				Source: CRF0997-01		Prepared & Analyzed: 07/10/08				
Calcium	23.2	1.0	mg/L	10.0	12.3	110	75-125			
Magnesium	15.2	1.0	"	10.0	4.67	105	75-125			
Potassium	12.1	1.0	"	10.0	1.18	109	75-125			
Sodium	14.1	1.0	"	10.0	3.73	104	75-125			
<b>Matrix Spike Dup (CR05610-MSD1)</b>				Source: CRF0997-01		Prepared & Analyzed: 07/10/08				
Calcium	23.1	1.0	mg/L	10.0	12.3	108	75-125	0.562	25	
Magnesium	15.3	1.0	"	10.0	4.67	106	75-125	0.656	25	
Potassium	12.4	1.0	"	10.0	1.18	112	75-125	2.54	25	
Sodium	14.4	1.0	"	10.0	3.73	106	75-125	1.68	25	

# CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento 11020 Sun Center Drive, Ste. 200 Rancho Cordova CA, 95670-6114	Project: Walker Mine Project Number: [none] Project Manager: Jeff Huggins	CLS Work Order #: CRF0997 COC #: 74122, 94817
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## Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
<b>Batch CR05266 - EPA 3020A</b>										
<b>Blank (CR05266-BLK1)</b>				Prepared: 06/26/08 Analyzed: 06/27/08						
Aluminum	ND	20	µg/L							
Arsenic	ND	2.0	"							
Copper	ND	1.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
Cadmium	ND	0.50	"							
<b>LCS (CR05266-BS1)</b>				Prepared: 06/26/08 Analyzed: 06/27/08						
Aluminum	97.0	20	µg/L	100		97.0	80-120			
Arsenic	92.0	2.0	"	100		92.0	80-120			
Copper	104	1.0	"	100		104	80-120			
Iron	91.5	50	"	100		91.5	80-120			
Zinc	105	2.0	"	100		105	80-120			
Cadmium	10.2	0.50	"	10.0		102	80-120			
<b>LCS Dup (CR05266-BSD1)</b>				Prepared: 06/26/08 Analyzed: 06/27/08						
Aluminum	93.9	20	µg/L	100		93.9	80-120	3.21	20	
Arsenic	92.7	2.0	"	100		92.7	80-120	0.791	20	
Copper	94.9	1.0	"	100		94.9	80-120	9.40	20	
Iron	74.8	50	"	100		74.8	80-120	20.1	20	QM-1
Zinc	95.3	2.0	"	100		95.3	80-120	9.41	20	
Cadmium	9.61	0.50	"	10.0		96.1	80-120	6.25	20	
<b>Matrix Spike (CR05266-MS1)</b>				Source: CRF0997-15		Prepared: 06/26/08 Analyzed: 06/27/08				
Aluminum	100	20	µg/L	100	ND	100	75-125			
Arsenic	104	2.0	"	100	ND	104	75-125			
Copper	98.4	1.0	"	100	0.510	97.9	75-125			
Iron	80.6	50	"	100	ND	80.6	75-125			
Zinc	103	2.0	"	100	1.34	102	75-125			
Cadmium	10.6	0.50	"	10.0	ND	106	75-125			

# CALIFORNIA LABORATORY SERVICES

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CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch CR05266 - EPA 3020A</b>										
<b>Matrix Spike Dup (CR05266-MSD1)</b>										
Source: CRF0997-15      Prepared: 06/26/08      Analyzed: 06/27/08										
Aluminum	104	20	µg/L	100	ND	104	75-125	4.32	25	
Arsenic	108	2.0	"	100	ND	108	75-125	4.01	25	
Copper	100	1.0	"	100	0.510	99.8	75-125	1.95	25	
Iron	85.8	50	"	100	ND	85.8	75-125	6.23	25	
Zinc	104	2.0	"	100	1.34	102	75-125	0.367	25	
Cadmium	10.9	0.50	"	10.0	ND	109	75-125	3.06	25	

# CALIFORNIA LABORATORY SERVICES

07/11/08 09:08

CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
<b>Batch CR05293 - EPA 3020A</b>										
<b>Blank (CR05293-BLK1)</b>										
					Prepared: 06/27/08 Analyzed: 06/30/08					
Aluminum	ND	20	µg/L							
Arsenic	ND	5.0	"							
Copper	ND	2.0	"							
Iron	ND	50	"							
Zinc	ND	2.0	"							
Cadmium	ND	0.50	"							
<b>LCS (CR05293-BS1)</b>										
					Prepared: 06/27/08 Analyzed: 06/30/08					
Aluminum	96.4	20	µg/L	100		96.4	80-120			
Arsenic	110	5.0	"	100		110	80-120			
Copper	111	2.0	"	100		111	80-120			
Iron	105	50	"	100		105	80-120			
Zinc	113	2.0	"	100		113	80-120			
Cadmium	10.5	0.50	"	10.0		105	80-120			
<b>LCS Dup (CR05293-BSD1)</b>										
					Prepared: 06/27/08 Analyzed: 06/30/08					
Aluminum	89.3	20	µg/L	100		89.3	80-120	7.57	20	
Arsenic	105	5.0	"	100		105	80-120	4.47	20	
Copper	107	2.0	"	100		107	80-120	3.61	20	
Iron	100	50	"	100		100	80-120	4.54	20	
Zinc	107	2.0	"	100		107	80-120	5.08	20	
Cadmium	10.5	0.50	"	10.0		105	80-120	0.0949	20	
<b>Matrix Spike (CR05293-MS1)</b>										
			<b>Source: CRF1088-01</b>		Prepared: 06/27/08 Analyzed: 06/30/08					
Aluminum	190	20	µg/L	100	97.2	92.8	75-125			
Arsenic	111	5.0	"	100	ND	111	75-125			
Copper	123	2.0	"	100	16.1	107	75-125			
Iron	1820	50	"	100	1760	55.8	75-125			QM-4X
Zinc	127	2.0	"	100	19.3	108	75-125			
Cadmium	10.6	0.50	"	10.0	ND	106	75-125			

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CRWQCB - Sacramento  
11020 Sun Center Drive, Ste. 200  
Rancho Cordova CA, 95670-6114

Project: Walker Mine  
Project Number: [none]  
Project Manager: Jeff Huggins

CLS Work Order #: CRF0997  
COC #: 74122, 94817

## Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch CR05293 - EPA 3020A</b>										
<b>Matrix Spike Dup (CR05293-MSD1)</b>										
		<b>Source: CRF1088-01</b>			<b>Prepared: 06/27/08</b>		<b>Analyzed: 06/30/08</b>			
Aluminum	185	20	µg/L	100	97.2	88.2	75-125	2.49	25	
Arsenic	108	5.0	"	100	ND	108	75-125	2.92	25	
Copper	123	2.0	"	100	16.1	107	75-125	0.212	25	
Iron	1830	50	"	100	1760	65.4	75-125	0.524	25	QM-4X
Zinc	126	2.0	"	100	19.3	106	75-125	1.37	25	
Cadmium	10.6	0.50	"	10.0	ND	106	75-125	0.567	25	

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## Notes and Definitions

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM-1 The spike recovery was outside acceptance limits for the LCS or LCSD. The batch was accepted based on acceptable MS/MSD recoveries & RPD's.
- HT-F This is a field test method and it is performed in the lab outside holding time.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference